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**DOCKET FILE COPY ORIGINAL**

March 31, 2000

Ms. Magalie R. Salas  
Secretary  
Federal Communications Commission  
The Portals  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

RECEIVED  
MAR 31 2000  
FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Re: CC Docket No. 88-2, Phase I - Filing and Review of Open  
Network Architecture Plans

Dear Ms. Salas:

BellSouth Telecommunications, Inc., ("BellSouth") hereby submits its March 31, 2000, semi-annual reports on state and federal tariffing of ONA services in accordance with the Commission's Memorandum Opinion and Order in Filing and Review of Open Network Architecture Plans, CC Docket No. 88-2, Phase I, released on December 19, 1991. As directed by the Commission, the attached report includes the following:

**(1) Consolidated nationwide matrix of BOC ONA services and state and federal ONA tariffs.**

This matrix is provided as Attachment P1 and shows the status of ONA services as of January 1, 2000. The names of the ONA services as titled in particular state and federal tariffs, and the associated tariff references, are included in Attachments P3 and D3.

**(2) Computer diskettes and print outs of data regarding state and federal tariffs.**

This information is included within the ONA Services User Guide, which is being submitted in response to item (3).

No. of Copies rec'd 0+1  
List A B C D E

**(3) Printed copy and computer diskette of the ONA Services User Guide.**

The ONA Services User Guide is provided as follows:

Services Descriptions Section - A paper version is provided as Attachment P2.

Wire Center Deployment Section - A single diskette version is provided as Attachment D2. No paper version is being provided due to the large size of the report.

Tariff Reference Guide Section - A single diskette version is provided as Attachment D3. A paper version of the report, which was produced by running menu option #5, is provided as Attachment P3. Both the diskette version and the paper report reflect tariff approvals through January 1, 2000.

**(4) Updated information contained in Appendix A of the January 31, 1991 Cross Reference Guide on ESP requests received and how they were addressed by the BOCs with details and matrices.**

An updated version of Appendix A is contained in Attachment P4.

**(5) Updated information contained in Appendix B of the January 31, 1991 Cross Reference Guide on BOC responses to the requests and matrix.**

An updated version of Appendix B is contained in Attachment P4.

**(6) Updated information contained in Appendix C of the January 31, 1991 Cross Reference Guide on services offered by the BOC in response to the requests.**

The information previously contained in Appendix C is now contained in Appendix 1 of the Services Descriptions Section of the ONA Services User Guide. The Services Descriptions Section is provided in response to item (3) and contained in this submission as Attachments P2 and D1.

If you have any questions concerning this submission, please contact me on (202) 463-4114.

Sincerely,



W. W. Jordan

Vice President - Federal Regulatory

Attachments

cc: Ann H. Stevens

International Transcription Service

## **INDEX OF BELLSOUTH ATTACHMENTS**

### **Paper Attachments**

P1 - Nationwide Tariff Matrix

P2 - Services Descriptions

P3 - Tariff Reference Guide, Menu Choice 5

P4 - Appendix A & B

### **Diskette Attachments**

D1 - Services Descriptions

D2 - Wire Center Deployment

D3 - Tariff Reference Guide

**PAPER ATTACHMENT ONE (P1)**

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## COMBINED TARIFF REFERENCE MATRIX

| Service Name (Generic)    |     | Ameritech |    |    |    |    | Bell Atlantic |    |    |    |    | BellSouth |    |    |    |    |    |    |    | NYNEX |    |    |    |    |    | Pacific |    | SWBT |    |    |    |    | U S WEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---------------------------|-----|-----------|----|----|----|----|---------------|----|----|----|----|-----------|----|----|----|----|----|----|----|-------|----|----|----|----|----|---------|----|------|----|----|----|----|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| (some Region Specific)    | Pg  | IL        | IN | MI | OH | WI | DE            | DC | MD | NJ | PA | VA        | WV | AL | FL | GA | KY | LA | MS | NC    | SC | TN | ME | MA | NH | NY      | RI | VT   | CA | NV | AR | KS | MO       | OK | TX | AZ | CO | ID | IA | MN | MT | NE | NM | ND | OR | SD | UT | WA | WY |    |    |    |    |    |    |  |
| Preselect for Data Svcs   | 154 |           |    |    |    |    | B             | B  | B  | B  | B  | B         | B  | BD | BD | BD | BD | BD | BD | BD    | BD | BD | BD | BD | BD | BD      | BD | BD   | BD | BD | BD | BD | BD       | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |    |    |  |
| Priority Service Install  | R44 |           |    |    |    |    |               |    |    |    |    |           |    | BD | BD | BD | BD | BD | BD | BD    | BD | BD | BD | BD | BD | BD      | BD | BD   | BD | BD | BD | BD | BD       | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |    |  |
| Remote Call Forwarding    | R45 |           |    |    |    |    | C             | C  | C  | C  | C  | C         | C  | C  | C  | C  | C  | C  | C  | C     | C  | C  | C  | C  | C  | C       | C  | C    | C  | C  | C  | C  | C        | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  |    |    |  |
| Rev Bllg On Ckt Acc       | 121 |           |    |    |    |    |               |    |    |    |    |           |    | B  | B  | B  | B  | B  |    |       |    | B  | B  |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Rev Chg Req Optn-Pkt      | R68 |           |    |    |    |    |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    | BD | BD | BD | BD      | BD | BD   | BD | BD | BD | BD | BD       | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |    |    |  |
| Reverse Chg Accept Pkt    | 155 | BB        | BB | BB | BB | BB | B             | B  | BB | BB | BB | BB        | BB | BD | BD | BD | BD | BD | BD | BD    | BD | BD | BD | BD | BD | BD      | BD | BD   | BD | BD | BD | BD | BD       | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |    |  |
| Route Diversity           | 169 | BB        | BB | BB | BB | BB |               |    |    |    |    |           |    | BD | BD | BD | BD | BD | BD | BD    | BD | BD | BD | BD | BD | BD      | BD | BD   | BD | BD | BD | BD | BD       | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |    |  |
| Secondary Ch Capability   | 170 | BB        | BB | BB | BB | BB | BB            | B  | B  | BB | BB | B         | B  | BD | BD | BD | BD | BD | BD | BD    | BD | BD | BD | BB | BB | BB      | BB | BB   | BB | BB | BB | BB | BB       | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB |    |    |  |
| Selective Call Forward'g  | 122 |           |    |    |    |    | C             | C  | C  | C  | C  | C         | C  | C  | C  | C  | C  | C  | C  | C     | C  | C  |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Selective Call Rejection  | 125 | C         | C  |    | C  | C  | C             | C  | C  | C  | C  | C         | C  | C  | C  | C  | C  | C  | C  | C     | C  | C  |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Shared Speed Calling      | 128 |           |    |    |    |    |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Single Num Acc-Mult Locn  | 130 |           |    |    |    |    |               |    |    |    |    |           |    | C  | C  | C  | C  | C  | C  | C     | C  | C  |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Speed Calling             | 132 | C         | C  |    | C  | C  | C             | C  | C  | C  | C  | C         | C  | C  | C  | C  | C  | C  | C  | C     | C  | C  | C  | C  | C  | C       | C  | C    | C  | C  | C  | C  | C        | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  |    |    |  |
| Surrogate Client Number   | R49 |           |    |    |    |    |               |    |    |    |    |           |    | BB | BB | BB | BB | BB | BB | B     | BB | BB |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Svc Code Denial Ln/Hunt   | R47 |           |    |    |    |    |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Switched 56 Kilobit Svc   | R50 |           |    |    |    |    | AA            | AA | AA | AA | AA | AA        | AA | AA | AA | AA | AA | AA | AA | AA    | AA | AA | AA | AA | AA | AA      | AA | AA   | AA | AA | AA | AA | AA       | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA |    |    |  |
| Tandem Routing            | 134 | BB        | BB | BB | BB | BB |               |    | B  | B  | B  | B         | B  | BB | BB | BB | BB | BB | BB | B     | BB | BB | AA | AA | AA | AA      | AA | AA   | AA | AA | AA | AA | AA       | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA | AA |    |  |
| Third Numb Bill Inhibit   | R52 |           |    |    |    |    |               |    |    |    |    |           |    | D  | D  | D  | D  |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Three Way Call Transfer   | 136 | BB        | BB | BB | BB | BB | B             | BB | BB | BB | BB | B         | BB | BD | BD | BD | BD | BD | BD | BD    | BD | BD | B  | B  | B  | B       | B  | B    | BB | B  |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Three Way Calling         | R53 |           |    |    |    |    | BB            | BB | BB | BB | BB | BB        | BB | C  | C  | C  | C  | C  | C  | C     | C  | C  | BB | BB | BB | BB      | BB | BB   | BB | BB | BB | BB | BB       | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB |    |  |
| Traffic Data Reports      | R55 |           |    |    |    |    |               |    |    |    |    |           |    | B  | B  | B  | B  | B  | B  | B     | B  | B  | BB | BB | BB | BB      | BB | BB   | BB | BB | BB | BB | BB       | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB |  |
| Trans Imprv-Ckt Sw Svcs   | R56 |           |    |    |    |    |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Trunk Side Access Facil   | R9  |           |    |    |    |    |               |    |    |    |    |           |    | A  | A  | A  | A  | A  |    |       |    | A  | A  |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Unif 7D Acc Num Overlay   | 140 |           |    |    |    |    |               |    |    |    |    |           |    | BB | BB | BB | BB | BB | BB | B     | BB | BB | BB | BB | BB | BB      | BB | BB   | BB | BB | BB | BB | BB       | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB | BB |  |
| Unif 7D Acc Num RCF       | 138 |           |    |    |    |    | B             |    |    |    | B  |           |    |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Unif Acc Numb-Bus Lines   | R57 |           |    |    |    |    |               |    |    |    |    |           |    | B  | B  | B  | B  | B  |    |       |    | B  | B  |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| User Initd Diagnostics    | R78 |           |    |    |    |    |               |    |    |    |    |           |    | BD | BD | BD | BD | BD | BD | BD    | BD | BD |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Ver Intgrty Subscr Lines  | 173 | BD        | BD | BD | BD | BD |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    | AA | AA |    | AA      | AA |      | BB | BB |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Video DT Messaging Port   | R89 |           |    |    |    |    |               |    |    |    | B  |           | B  |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Video Dialtone Access Lk  | R10 |           |    |    |    |    |               |    |    |    | A  |           | A  |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Video Dialtone Bdcst Svc  | R88 |           |    |    |    |    |               |    |    |    | B  |           | B  |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Video Dialtone Narrowcas  | R90 |           |    |    |    |    |               |    |    |    | B  |           | B  |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| Warm Line                 | 141 | C         | C  |    | C  | C  |               |    |    |    |    |           |    | C  | C  | C  | C  | C  | C  | C     | C  | C  | BD | BD | BD | BD      | BD | BD   | C  | C  | C  | C  | C        | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  |    |    |  |
| 3/31/2000 Update [Page 4] |     |           |    |    |    |    |               |    |    |    |    |           |    |    |    |    |    |    |    |       |    |    |    |    |    |         |    |      |    |    |    |    |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

Page numbers are based on 1/31/2000 release of the ONA Services User Guide.

Page numbers preceded by R are in Appendix 1 of the ONA Services User Guide, which contains Region Specific services.

Abbreviations: A=BSA  
B=BSE  
C=CNS  
D=BSE/CNS

Under each state abbreviation, the left column contains FCC tariff information and the right column contains state tariff information.



# ABBREVIATIONS

| <b>Generic Name of Service<br/>Abbreviated Name</b> | <b>Generic Name of Service<br/>Full Name</b>  |
|---|---|
| 555 Access Service                                  | 555 Access Service  |
| AIN Alternate Routing                               | Advanced Intelligent Network Alternate Routing  |
| AIN Single Number Access                            | AIN Single Number Access  |
| AIN Term Data Co/Cus Rt                             | AIN Terminating Data Collection/Customized Routing  |
| ATM Cell Relay Service                              | ATM Cell Relay Service  |
| Acc To Clr Ch Transmissn                            | Access To Clear Channel Transmission  |
| Access To OSS Info                                  | Access To Operations Support Systems Information  |
| Access to Cust Prem Annc                            | Access To Customer Premises Announcement  |
| Access to Ord'r Entry Sys                           | Access To Order Entry System  |
| Alternate Routing                                   | Alternate Routing   |
| Answer Supv'n Line Side                             | Answer Supervision With A Line Side Interface   |
| Asyn Tran Mode (ATM) Svc                            | Asynchronous Transfer Mode (ATM) Service  |
| Auto Disaster Rec. DID                              | Automatic Disaster Recovery of DID  |
| Automatic Callback                                  | Automatic Callback  |
| Automatic Protect Swtchg                            | Automatic Protection Switching  |
| Automatic Recall                                    | Automatic Recall  |
| Bridging  | Bridging  |
| Bridging - Line                                     | Bridging - Line   |
| C1 TypA - Ckt Sw Line                               | Category 1, Type A - Circuit Switched Line BSA  |
| C1 TypB - Ckt Sw Trunk                              | Category 1, Type B - Circuit Switched Trunk BSA   |
| C2 TypA - X.25 Pkt Sw                               | Category 2, Type A - X.25 Packet Switched BSA   |
| C2 TypB - X.75 Pkt Sw                               | Category 2, Type B - X.75 Packet Switched BSA   |
| C3 TypA - Ded Metallic                              | Category 3, Type A - Dedicated Metallic BSA   |
| C3 TypB - Ded Telegraph                             | Category 3, Type B - Dedicated Telegraph BSA  |
| C3 TypC - Ded Voice Grd                             | Category 3, Type C - Dedicated Voice Grade BSA  |
| C3 TypD - Ded Prgm Audio                            | Category 3, Type D - Dedicated Program Audio BSA  |
| C3 TypE - Ded Video                                 | Category 3, Type E - Dedicated Video BSA  |
| C3 TypF - Ded < 64kbps                              | Category 3, Type F - Dedicated Digital (<64kbps)BSA                                       |
| C3 TypG - Ded 1.544Mbps                             | Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA                     |
| C3 TypH - Ded >1.544Mbps                            | Category 3, Type H - Dedicated High Capacity Digital (>1.544 Mbps) BSA                    |
| C3 TypI - Ded Alrt Trnsp                            | Category 3, Type I - Dedicated Alert Transport BSA  |
| C3 TypJ - Ded Derived Ch                            | Category 3, Type J - Dedicated Derived Channel BSA  |
| C3 TypK - Ded 64 kbps                               | Category 3, Type K - Dedicated Digital (64 kbps) BSA                                      |
| C4 - Ded Ntwk Accss Link                            | Category 4 - Dedicated Network Access Link BSA  |
| CF Mult Sim Call Intersw                            | Call Forwarding - Multiple Simultaneous Calls Interswitch                                 |
| CF Var Act w/o Crtsy Cal                            | Call Forwarding - Variable - Activation Without Courtesy Call                             |
| CF Var Remote Act/Cntrol                            | Call Forwarding - Variable-Remote Activation/Control                                      |
| CF Variable   | Call Forwarding - Variable  |
| CF With Variable Rings                              | Call Forwarding With Variable Rings   |
| CFBL Interswitch                                    | Call Forwarding - Busy Line Interswitch   |
| CFBL Intraswitch                                    | Call Forwarding - Busy Line Intraswitch   |
| CFBL/DA Cust Act/Deact                              | Call Forwarding - Busy Line or Don't Answer - Customer Control of Activation/Deactivation |
| CFBL/DA Cust Chg Fwd No.                            | Call Forwarding - Busy Line or Don't Answer - Customer Control of Forward-To Number       |
| CFDA After CW                                       | Call Forwarding Don't Answer After Call Waiting   |

# ABBREVIATIONS

| <b>Generic Name of Service<br/>Abbreviated Name</b> | <b>Generic Name of Service<br/>Full Name</b>                                    |
|---|---|
| CFDA Interswitch                                    | Call Forwarding - Don't Answer Interswitch                                      |
| CFDA Intraswitch                                    | Call Forwarding - Don't Answer Intraswitch                                      |
| CFDA To DID Intraswitch                             | Call Forwarding Don't Answer To DID Intraswitch                                 |
| Call Denial - Line/Hunt                             | Call Denial On Line Or Hunt Group   |
| Call Det Rcdg-NXX Screen                            | Call Detail Recording Reports - via NXX Screening                               |
| Call Det Recd'g Rpts Pkt                            | Call Detail Recording Reports (Packet)  |
| Call Detail Recrd'g Rpts                            | Call Detail Recording Reports   |
| Call Forwarding Originating                         | Call Forwarding Originating   |
| Call Redirect Acceptance                            | Call Redirection Acceptance   |
| Call Redirection Packet                             | Call Redirection - Packet   |
| Call Transfer On DID                                | Call Transfer On DID  |
| Call Waiting  | Call Waiting  |
| Call Waiting Cancel                                 | Call Waiting - Cancel   |
| CLld DN Deliv via 900NXX                            | Called Directory Number Delivery via 900NXX                                     |
| CLld DN Deliv via DID                               | Called Directory Number Delivery via DID  |
| CLld/CLlg Numbr Info-ANI                            | Called/Calling Number Information - ANI   |
| CLlg Bllg Num Deliv FG B                            | Calling Billing Number Delivery - FG B Protocol                                 |
| CLlg Bllg Num Deliv FG D                            | Calling Billing Number Delivery - FG D Protocol                                 |
| CLlg DN Deliv via BCLID                             | Calling Directory Number Delivery - via BCLID                                   |
| CLlg DN Deliv via ICLID                             | Calling Directory Number Delivery - via ICLID                                   |
| Closed User Groups Pkt                              | Closed User Groups - Packet   |
| Coin Ph-Post Dial DTMF                              | Coin Phone With Post Dialing Tone Capability                                    |
| Computr Assist Call Xfer                            | Computer Assisted Call Transfer Acceptance                                      |
| Computr Assist Dialing                              | Computer Assisted Dialing Acceptance  |
| Conditioning  | Conditioning  |
| Coord Voice and Data                                | Coordinated Voice and Data Acceptance   |
| Cust Originated Trace                               | Customer Originated Trace   |
| Custom Service Areas                                | Custom Service Areas  |
| Cut Off On Disconnect                               | Cut Off On Disconnect   |
| Cxr Select On Rvrs Chrg                             | Carrier Selection On Reverse Charge   |
| DID Load Across WC                                  | DID Load Across Wire Centers  |
| DID Trunk Queuing                                   | DID Trunk Queuing   |
| DNAL Alarm Service                                  | Ameritech - DNAL - Type F - Alarm Service                                       |
| DNAL Amtch Reconfig Svcs                            | Ameritech - DNAL - Type E - Ameritech Reconfiguration Service                   |
| DNAL Amtch Sw-Cmputr Apl                            | Ameritech - DNAL - Type G - Ameritech Switch to Computer Applications (ASCAI)   |
| DNAL Ckt Sw Fac Cntrl                               | Ameritech - DNAL - Type B - Circuit Switch Facility Control                     |
| DNAL SMDI   | Ameritech - DNAL - Type C - Simplified Message Desk Interface (SMDI)            |
| DNAL SMDI-E   | Ameritech - DNAL - Type D - Simplified Message Desk Interface-Expanded (SMDI-E) |
| DNAL STP Access                                     | Ameritech - DNAL - Type A - Signal Transfer Point Access (STP)                  |
| DS0-B Subrate Multiplx                              | DS0-B Subrate Multiplexing Service  |
| Data Over Voice (DOV)                               | Data Over Voice (DOV) Service   |
| Default Window Size-Pkt                             | Default Window Size - Packet  |
| Derived Ch (Monitoring)                             | Derived Channels (Monitoring)   |
| Dial Call Waiting                                   | Dial Call Waiting   |

## ABBREVIATIONS

| <b>Generic Name of Service<br/>Abbreviated Name</b> | <b>Generic Name of Service<br/>Full Name</b>                                 |
|---|--|
| Dialed Num ID/INWATS-DID                            | Dialed Number Identification via INWATS to DID                               |
| Digital Data Service 2-Wire                         | Digital Data Service 2-Wire  |
| Dir Call Pickup w/Barge                             | Directed Call Pickup With Barge-In   |
| Dir Call Pickup w/oBarge                            | Directed Call Pickup Without Barge-In  |
| Direct Call Packet                                  | Direct Call - Packet   |
| Dist Ring Term Screen                               | Distinctive Ringing - Terminating Screening                                  |
| Distinctive Alert                                   | Distinctive Alert  |
| Distinctive Ringing                                 | Distinctive Ringing  |
| Extended Superframe Cond                            | Extended Superframe Conditioning   |
| Fast Select Accept Pkt                              | Fast Select Acceptance - Packet  |
| Fast Select Request Pkt                             | Fast Select Request - Packet   |
| Faster Signaling On DID                             | Faster Signaling On DID  |
| Flexible ANI  | Flexible ANI Information Digits  |
| Flow Contr Param Neg-Pkt                            | Flow Control Parameter Negotiation - Packet                                  |
| Frame Relay Service                                 | Frame Relay Service  |
| High Cap Dig Handoff Svc                            | High Capacity Digital Hand-Off Service                                       |
| Hot Line  | Hot Line   |
| Hunt Groups Packet                                  | Hunt Groups - Packet   |
| Inband Signaling                                    | Inband Signaling   |
| Incoming Cls Barred-Pkt                             | Incoming Calls Barred - Packet   |
| Initial Address Message                             | Initial Address Message  |
| Logical Chan Layout-Pkt                             | Logical Channel Layout - Packet  |
| Logical Channels-Pkt                                | Logical Channels - Packet  |
| MLHG Access to Each Port                            | Multiline Hunt Group - Individual Access To Each Port In Hunt Group          |
| MLHG CO Announcements                               | Multiline Hunt Group - C.O. Announcements                                    |
| MLHG Overflow                                       | Multiline Hunt Group - Overflow  |
| MLHG UCD Line Hunting                               | Multiline Hunt Group - Uniform Call Distribution Line Hunting                |
| MLHG UCD With Queuing                               | Multiline Hunt Group - UCD With Queuing                                      |
| MWI - Packet Access                                 | Message Waiting Indicator - Packet Access                                    |
| MWI ATR Audible Msg Wtg                             | Message Waiting Indicator (MWI) - Ability To Receive Audible Message Waiting |
| MWI ATR Visual Msg Wtg                              | Message Waiting Indicator (MWI) - Ability To Receive Visual Message Waiting  |
| MWI Act (Audible) Expand                            | Message Waiting Indicator Activation(Audible) - Expanded                     |
| MWI Act (Visual) Expand                             | Message Waiting Indicator Activation(Visual) - Expanded                      |
| MWI Activation (Audible)                            | Message Waiting Indicator - Activation (Audible)                             |
| MWI Activation (Visual)                             | Message Waiting Indicator - Activation (Visual)                              |
| MWI Audible/Visual                                  | Message Waiting Indicator - Audible/Visual                                   |
| Make Busy Key                                       | Make Busy Key  |
| MegaBit Service                                     | MegaBit Service  |
| Menu Acs Trans - Gateway                            | Menu Access Translator - Gateway   |
| Menu Server-Pkt                                     | Menu Server - Packet   |
| Message Desk (SMDI)                                 | Message Desk (SMDI)  |
| Monthly Call Detail Rec                             | Monthly Call Detail Recording  |
| Mplx-T1-1.544Mbps-Line                              | Multiplexing - T1 Transport - 1.544 Mbps-Line Side                           |
| Mplx-T1-1.544Mbps-Trunk                             | Multiplexing - T1 Transport - 1.544 Mbps-Trunk Side                          |
| Mssg Desk Expand (SMDIE)                            | Message Desk (SMDI) - Expanded   |
| Mult Ntwk Addr/Port-Pkt                             | Multiple Network Address/Port - Packet                                       |

# ABBREVIATIONS

| <b>Generic Name of Service<br/>Abbreviated Name</b> | <b>Generic Name of Service<br/>Full Name</b>           |
|---|--|
| Multiline Hunt Group                                | Multiline Hunt Group                                   |
| Multiplexing-Digital                                | Multiplexing - Digital                                 |
| Name of Calling Party                               | Delivery of Calling Party Name                         |
| Network Reconfiguration                             | Network Reconfiguration                                |
| Order Entry Service                                 | Order Entry Service                                    |
| Outgoing Cls Barred-Pkt                             | Outgoing Calls Barred - Packet                         |
| Perm Virtual Ckt-Pkt                                | Permanent Virtual Circuit - Packet                     |
| Preselect for Data Svcs                             | Preselection for Data Services                         |
| Priority Service Install                            | Priority Installation Service                          |
| Remote Call Forwarding                              | Remote Call Forwarding                                 |
| Rev Bllg On Ckt Acc                                 | Reverse Billing On Circuit Switched Access             |
| Rev Chg Req Optn-Pkt                                | Reverse Charge Request Option (Packet)                 |
| Reverse Chg Accept Pkt                              | Reverse Change Acceptance - Packet                     |
| Route Diversity                                     | Route Diversity  |
| Secondary Ch Capability                             | Secondary Channel Capability                           |
| Selective Call Forward'g                            | Selective Call Forwarding                              |
| Selective Call Rejection                            | Selective Call Rejection                               |
| Shared Speed Calling                                | Shared Speed Calling                                   |
| Single Num Acc-Mult Locn                            | Single Number Access for Multiple Locations            |
| Speed Calling                                       | Speed Calling  |
| Surrogate Client Number                             | Surrogate Client Number                                |
| Svc Code Denial Ln/Hunt                             | Service Code Denial On Line Or Hunt Group              |
| Switched 56 Kilobit Svc                             | Switched 56 Kilobit Service                            |
| Tandem Routing                                      | Tandem Routing   |
| Third Numb Bill Inhibitd                            | Third Number Billing Inhibited                         |
| Three Way Call Transfer                             | Three Way Call Transfer                                |
| Three Way Calling                                   | Three Way Calling                                      |
| Traffic Data Reports                                | Traffic Data Reports                                   |
| Trans Imprv-Ckt Sw Svcs                             | Transmission Improvement for Circuit Switched Services |
| Trunk Side Access Facil                             | Trunk Side Access Facility                             |
| Unif 7D Acc Num Overlay                             | Uniform 7 Digit Access Number via Overlay Networking   |
| Unif 7D Acc Num RCF                                 | Uniform 7 Digit Access Number - Remote Call Forwarding |
| Unif Acc Numb-Bus Lines                             | Uniform Access Numbers for Business Lines              |
| User Initd Diagnostics                              | User Initiated Diagnostics                             |
| Ver Intgrty Subscr Lines                            | Verify Integrity of Subscriber Lines                   |
| Video DT Messaging Port                             | Video Dialtone Messaging Port                          |
| Video Dialtone Access Lk                            | Video Dialtone Access Link                             |
| Video Dialtone Bdcst Svc                            | Video Dialtone Broadcast Service                       |
| Video Dialtone Narrowcas                            | Video Dialtone Narrowcast Service                      |
| Warm Line   | Warm Line  |
| (3/31/00)   |  |

**PAPER ATTACHMENT TWO (P2)**

**BELL OPERATING COMPANIES**

**Service Descriptions**  
**ONA Services User Guide**

**January 31, 2000**

**ONA Services**

**Names, Descriptions, Cross References**

## FOREWORD

Attached is the Services Descriptions section of the ONA Services User Guide, an update of information that was previously issued on July 31, 1999.

The Services Descriptions section of the ONA Services User Guide represents an agreement on the part of the BOCs for uniform names and technical descriptions of the Basic Serving Arrangements (BSAs), Basic Service Elements (BSEs) and Complementary Network Services (CNSs) that relate to the ESP requests included in BOC ONA Special Report Number 1, Issue 2 (October 1987). That Special Report is a compilation of the 118 requests received by all the BOCs during the input process for ESP requests prior to filing of the 2/1/88 ONA Plans. Some items, marked with an asterisk (\*) in their titles, have been deleted after the last issue of the report based on the availability of updated information indicating that they cannot be offered. For each service listed, a table is provided that gives an indication of which BOCs plan to offer the service, the individual BOC's product name, and whether the BOC classifies the service as a BSA, BSE or CNS.

The BSAs, which respond to the 118 ESP requests for ONA services, are listed in the following four categories of Basic Serving Arrangements:

- Circuit Switched Serving Arrangements

A circuit switched basic serving arrangement (BSA) provides an enhanced service provider (ESP) with a connection to the circuit switched network.

- Packet Switched Serving Arrangements

A packet switched BSA provides an ESP with a connection to the packet switched network.

- Dedicated Serving Arrangements

A dedicated BSA provides an ESP with a dedicated point-to-point connection through the network.

- Dedicated Network Access Link Serving Arrangements

A dedicated network access link (DNAL) BSA provides a dedicated data channel between the ESP's termination and a designated central office which contains the specific features required by the ESP. The DNAL is used to transmit control information from the ESP to the network or to deliver information from the network to the ESP.

Following the BSAs are the BSEs and CNSs, which are listed in alphabetical order in the above four BSA categories. These BSEs and CNSs respond to the 118 ESP requests for ONA services that were made to all BOCs. A description of each BSE or CNS is provided, which includes a brief technical description and a table listing the product name for each company that offers the service.

Appendix 1 contains a set of descriptions of ONA services that are offered by one or more BOC in response to requests received independent of the 118 ESP requests received by all BOCs. Included is a technical description and a table with the product name for each company that offers the service.

Appendix 2 contains a list of BOC contacts.

Appendix 3 contains the BSA Matrix, a report that shows the relationship between the BSAs and the BSEs included in the ONA Services User Guide. Included is a table showing the generic name for each BSA, and the specific name used by each company offering the BSA. Also included is a set of tables, one for each BSA, listing which BSEs are associated with the BSA for each company. These matrices only include generic BSAs and BSEs, and do not include the CNSs or any region specific services.

This report does not supersede any information provided in the BOC ONA plans and amendments. All capabilities described are not available in all switching or transmission systems. Generic descriptions of BSAs do not imply that applicable generic functions and capabilities are available or compatible with all types of BSAs. In addition, generic descriptions are intended for informational purposes and their existence does not imply that specific products and/or services are necessarily tariffed and/or available in any or all state/ federal jurisdictions within a particular company's service area. The BSAs, BSEs and CNSs identified in this report cannot be ordered until appropriate tariffs are effective. Some ONA services may not be tariffed in all areas. The reader should refer to the individual BOC ONA plans and amendments or the BOC contacts listed in Appendix 2 to this report for information on BOC availability and deployment plans for the technical capabilities described in this report.

References to switching system generics that have not yet been released by the vendors are based on our current information about which features are planned for inclusion in those generic releases. If the vendors change the availability of any features for future generic releases that are referenced in this document, the availability of some services may be affected.

Technical references that are publicly available are listed for each service, where available. Ordering information for each of the technical references may be found in the *Telcordia Technologies Catalog of Technical Information* (including ordering information for reference documents published by individual regional companies). To order, call 1-800-521-2673 toll free from anywhere in the USA; call (732) 699-5800 for foreign calls; fax (732) 336-2559.

**Recently, various BOCs have completed, or are in the process of completing, corporate mergers. For this document, the old company names will continue to be used (for example, Bell Atlantic and NYNEX are listed separately; Southwestern Bell and Pacific Bell are listed separately).**

Questions on this report should be directed to the BOC contacts listed in Appendix 2 to this report.



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## **BSA Descriptions**

BSAs have been arranged into four categories:

1. Circuit Switched
2. Packet Switched
3. Dedicated
4. Dedicated Network Access Link

Each category may have several types. Following are descriptions of the BSA categories and the associated BSA types.

## 1. Category 1 - Circuit Switched BSA

A circuit switched basic serving arrangement (BSA) provides an enhanced service provider (ESP) with a connection to the circuit switched network. This BSA is capable of supporting analog signals of approximately 300 to 3000 Hz or a circuit switched digital interface with a call type of digital encoded voice, 3.1 kHz or 7 kHz audio, 56 kbps or 64 kbps data transmission. This BSA may also transmit voice grade analog data. The transmission interface may be 2-wire or 4-wire, or derived from a variety of multiplexing alternatives (for example, Digital Signal (DS) level 0 from DS level 1, or DS1 from DS3).

This BSA may support one-way or two-way directionality. Calls are set up and taken down on a call by call basis. The transport/usage element could be intra-office or inter-office.

Route diversity may be available with this serving arrangement.

### 1.1 Category 1, Type A - Circuit Switched Line BSA (1039)

#### Service Description

A circuit switched line BSA provides an ESP with a line side connection to the circuit switched network.

This line side connection could include alternative types of network connection, address and supervisory in-band or out-of-band signaling. Examples of network connections are standard telephone line or a line side type connection (e.g., PBX service). This BSA may support one-way or two-way directionality on a 2-wire or 4-wire transmission interface.

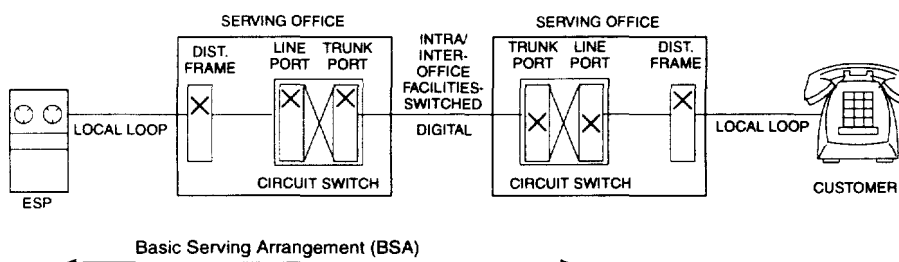
Calls are set up and taken down on a call by call basis. The calling scope may include, for example, an entire Local Access and Transport Area (LATA), a market area or be limited to all or part of a metropolitan area. Directory numbers are assigned from the North American Numbering Plan without any special routing or other use of the number.

| Generic Name of BSA                             | Regional Company BSA Name  |
|---|--|
| Category 1, Type A - Circuit Switched Line BSA* | AM - Circuit Switched Line<br>BA - Business Individual Line<br>BA - Line Side BSA<br>BS - Voice Grade - Line - Circuit Switched<br>NX - Circuit Switched - Line<br>PB - Access Line Arrangement<br>SWB - Circuit Switched - Line Side Basic Serving Arrangement (BSA-A)<br>USW - Voice Grade - Line - Circuit Switched |

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\* Based on the Federal Communications Commission (FCC) CC Docket 89-79 Order dated July 11, 1991, there will be a new line side BSA on FCC approval of tariffs submitted November 1, 1991.

### ***Voice Grade – Line – Circuit Switched – BSA***



#### Alternatives

An alternative is an item that must be selected for the BSA to be technically meaningful. Alternative items may be available from some or all of the Local Exchange Carriers (LECs). Refer to the individual LEC tariff reference diskette for the reference information where LEC defined alternatives may be found. Examples of potential alternatives may be: Service Code Denial and Uniform Call Distribution.

#### Signaling

Signaling arrangements extend line circuit or signaling circuit alerting information on metallic or fiber facilities from one customer premises location to another customer premises location. The signaling arrangement can be terminated on trunk-like or line side interfaces of the LEC switch. Examples of address signaling on an analog interface are dial pulse or dual tone multifrequency (DTMF) with supervisory signaling of loop start or ground start. A digital interface will offer address and supervisory signaling via an out-of-band standardized protocol.

#### Transmission

The subject of transmission covers a broad range of performance considerations related to the physical facilities that compose network architecture. Transmission parameters are designed to provide objective transmission performance characteristics, as perceived by the end user and LEC, between the points of termination. Transmission parameters are defined for each Network Interface (see below) supporting this BSA. These parameters are defined in the reference documentation.

#### Network Interfaces

The electrical and physical interface with the LEC is described by a Network Channel Interface (NCI) code for each end user termination and each service provider termination. NCI codes are provided to aid the user in understanding the relationship of the network interface to the electrical or optical characteristics of the interface. NCI codes have four basic components: (1) number of conductors (wire or fibers), (2) protocol code, (3) nominal reference impedance code, and (4) any applicable protocol options.

#### References

- GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994
- U S WEST's document 77316 Pacific Northwest Bell's Addendum to Voice Grade Switched Access Service TR-NPL-000334, April 1986.

## 1.2 Category 1, Type B - Circuit Switched Trunk BSA (1040)

### Service Description

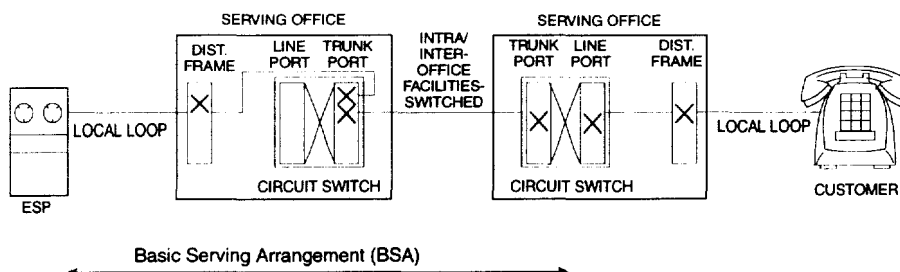
A circuit switched trunk BSA provides an enhanced service provider (ESP) with a trunk side connection to the circuit switched network.

Various types of network connections, address signaling and supervisory signaling are available. An example of network connections to the serving office may be direct trunk or a tandem connection. Calls are set up and taken down on a call-by-call basis. Different access arrangements, based on the North American Numbering Plan, are available from the Local Exchange Carriers (LEC). This BSA may support one-way or two-way directionality.

| Generic Name of BSA                             | Regional Company BSA Name   |
|---|---|
| Category 1, Type B - Circuit Switched Trunk BSA | AM - Circuit Switched Trunk<br>BA - Trunkside BSA - 950 Option<br>BA - Trunkside BSA - 10XXX Option<br>BS - Circuit Switched Trunk - Voice Grade<br>NX - Circuit Switched Trunk<br>PB - Access Trunk Arrangement (950)<br>PB - Access Trunk Arrangement (10XXX)<br>SWB - Circuit Switched - Trunk Side Alternative B Basic Serving Arrangement (BSA-B)<br>SWB - Circuit Switched - Trunk Side Alternative D Basic Serving Arrangement (BSA-D)<br>USW - Voice Grade - Trunk - Circuit Switched |

### Alternatives

#### Voice Grade – Trunk – Circuit Switched — BSA



An alternative is an item that must be selected for the BSA to be technically meaningful. Alternative items may be available from some or all of the LECs. Refer to the individual LEC tariff reference diskette for the reference information where LEC defined alternatives may be found. Examples of potential alternatives may be: Service Class Routing, Dial Pulse Address Signaling, and Cut Through.



### Signaling

Signaling arrangements extend trunk circuit or signaling circuit alerting information on metallic or fiber facilities from one customer premises location to another customer premises location. These signals are the means by which the end user initiates a request for service, holds a connection or releases a connection. The signaling arrangements can be terminated on line-like or trunk side interfaces of the LEC switch. Examples of point-of-termination supervisory signaling arrangements that may be ordered are Multi-Frequency (in-band), Signaling System 7 (SS7) (out of band), reverse battery and E&M.

### Transmission

The subject of transmission covers a broad range of performance considerations related to the physical facilities that compose network architecture. Transmission parameters are designed to provide objective transmission performance characteristics, as perceived by the end user and LEC, between the points of termination. Transmission parameters are defined for each Network Interface (see below) supporting this BSA. These parameters are defined in the reference documentation.

### Network Interfaces

The electrical and physical interface with the LEC is described by a Network Channel Interface (NCI) code for each end user termination and each service provider termination. NCI codes are provided to aid the user in understanding the relationship of the network interface to the electrical or optical characteristics of the interface. NCI codes have four basic components: (1) number of conductors (wire or fibers), (2) protocol code, (3) nominal reference impedance code, and (4) any applicable protocol options.

### References

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### References for SS7

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